S.No.	SEBs/States	Rural Electrification Corporation (REC)	Power Finance Corporation (PFC)
10.	Karnataka	3.7	0.0
11.	Jammu and Kashmir	1.3	0.0
12.	Kerala	0.0	0.0
13.	Madhya Pradesh	1406.5	14.2
14.	Maharashtra	0.0	0.0
15.	Meghalaya	31.4	0.0
16.	Manipur	3.2	0.0
17.	Mizoram	5.4	2.4
18.	Nagaland	0.0	0.1
19.	Orissa (Gridco)	0.1	0.0
20.	Punjab	0.4	0.0
21.	Rajasthan	11.8	0.0
22.	Sikkim	0.0	0.0
23.	Tamil Nadu	1.0	0.0
24.	Tripura	0.6	0.0
25.	Uttar Pradesh	860.1	0.0
26.	West Bengal (WBSEB)	518.8	0.0

Bringing T and D loss of electricity to 15 per cent at national level

†2524. SHRI RAJIV RANJAN SINGH 'LALAN':
SHRI RAM JETHMALANI:

Will the Minister of POWER be pleased to state:

(a) whether Government have fixed the target to bring the average distribution and transmission loss of Electricity to 15 per cent at national level in the country;

†Original notice of the Question was received in Hindi.

(b) if so, the estimated T&D loss in the country at present and details of maximum and minimum loss of electricity;

(c) by when Government have decided to achieve the said target; and

(d) the details of the present average percentage of such T and D loss in the developed and developing countries of the world?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) to (d) As per guidelines issued by the Central Electricity Authority in February, 2001, it would be reasonable to aim at T and D's losses in between 10—15% in different states. Statement I showing Percentage Transformation, Transmission and Distribution losses (including commercial losses such as pilferage etc.) in SEBs/EDs is enclosed (*See* below).

Funds are being provided to the power utilities under the Accelerated Power Development Programme (APDP) for improving distribution system and reduction of T and D losses. An amount of Rs. 1000 crores for R and M of thermal and hydro power stations and improvement of distribution systems was provided in the year 2000-2001. An amount of Rs. 1500 crores is to be allocated to the utilities during the year 2001-2002 under Accelerated Power Development Programme. 63 distribution circles in various States have been taken up in the first instance for improvement of sub-Transmission and Distribution system under the APDP. These identified circles are being developed as "Centres of Excellence" so as to serve as models for remaining distribution circles in the country for improvement in a phased manner.

Government is also considering a proposal for making available substantial additional resources so as to ensure coverage of all the distribution circles in the country for improvement of sub-Transmission and Distribution system. The proposal would include time bound reduction of T and D losses, operationalisation of an effective Management Information system, fixing of accountability at various levels through Energy audit and organizational restructuring.

Statement II and III respectively showing percentage transmission and distribution losses in developed and developing countries are enclosed.

Statement–I

Percentage Transformation Transmission and Distribution losses (including commercial losses such as pilferage etc.) in SEBs/EDs

Region/SEB/ ED	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99*
Northern Region:							
Haryana	26.78	25.00	30.80	32.39	32.77	34.04	33.81
Himachal Pradesh	19.51	18.31	18.21	16.09	18.02	20.13	20.13
Jammu and Kashmir	48.28	45.69	48.74	47.52	48.27	49.95	47.07
Punjab	19.24	19.37	16.70	18.49	19.10	18.94	16.83
Rajasthan	22.74	25.00	24.78	29.27	26.28	26.41	29.43
Uttar Pradesh	24.43	24.08	21.69	21.84	24.84	26.18	26.86
Chandigarh	26.21	27.27	28.44	33.72	21.88	22.38	NA
DVB (Delhi)	23.56	31.79	34.56	48.57	49.08	47.91	40.0
Western Region:							
Gujarat	22.03	20.34	20.02	20.08	17.14	21.57	19.69
Madhya Pradesh	21.35	20.26	19.61	17.84	19.24	19.58	20.92
Maharashtra	17.83	16.22	16.33	16.95	16.55	18.75	18.14
D and N Haveli	17.98	12.64	11.35	09.31	08.80	12.90	NA
Goa	21.85	24.50	26.87	26.06	23.50	31.02	NA
Daman and Diu	15.67	22.34	16.30	12.80	08.15	14.69	NA
Southern Region:							
Andhra Pradesh	19.88	19.91	17.95	19.34	33.19	32.14	31.8
Karnataka	19.55	19.55	19.41	19.06	18.73	19.31	30.08
Kerala	21.95	20.00	20.05	21.12	20.59	18.73	17.75
Tamil Nadu	17.50	17.18	17.11	16.19	17.65	17.29	16.9
Lakshadweep	18.72	16.99	17.84	17.23	15.11	15.70	NA
Pondicherry	15.31	15.80	15.00	16.54	17.38	13.56	NA
Eastern Region:							
Bihar	22.00	20.35	19.76	15.91	25.31	16.26	23.0
Orissa (GRIDCO)	25.25	22.43	23.03	24.17	50.15	50.10	48.44

Region/SEB/ ED	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99*
Sikkim	22.55	22.60	21.22	16.47	29.24	22.87	—
West Bengal	24.87	20.82	21.51	19.26	18.01	19.67	25.5
A and N Island	23.62	23.71	22.38	19.25	19.15	20.59	NA
North Eastern Region:							
Assam	21.41	22.44	24.18	26.91	25.97	27.32	23.0
Manipur	22.35	23.92	25.30	24.85	22.95	21.09	NA
Meghalaya	11.79	18.03	18.47	12.55	19.75	12.28	20.17
Nagaland	27.26	33.45	36.12	35.17	26.81	29.79	NA
Tripura	30.64	30.53	31.96	30.86	30.11	31.11	NA
Arunachal Pradesh	32.32	42.04	45.30	37.12	32.62	34.10	NA
Mizoram	29.04	31.89	29.76	25.18	34.35	46.84	NA
All India (Utilities)	**21.80**	**21.41**	**21.13**	**22.27**	**24.53**	**24.79**	**25.62**

*As reported by SEBs/Electricity Deptt. and subject to change after reconciliation of inter-state sale of energy and are provisional.

Statement II

Percentage Transmission and Distribution Losses in Developed Countries

Country	1989	1990	1991	1992	1993
Austria	7.19	7.34	7.44	7.15	7.59
Belgium	5.64	5.82	5.59	5.51	5.60
Canada	9.45	8.44	8.74	8.46	8.25
Czechoslovakia	7.91	7.86	—	8.50	10.34
Denmark	5.65	5.20	6.92	6.70	6.93
Finland	5.64	5.10	5.04	5.48	5.01
France	8.25	8.19	8.28	7.64	8.02
Germany	—	5.45	5.17	4.87	5.00
Greece	8.12	9.05	8.88	7.92	8.66
Hungary	11.11	11.09	11.05	9.43	13.66
Iceland	8.58	8.88	8.74	7.65	6.72
Ireland	9.70	9.78	10.09	9.71	9.61
Israel	5.06	5.22	5.43	5.06	4.65
Italy	8.54	7.83	8.15	7.84	8.31
Netherland	4.53	4.58	4.52	4.59	4.94
Norway	8.53	7.47	7.40	7.51	8.13
Poland	10.58	9.15	12.43	13.85	15.19
Portugal	12.31	12.[illegible]	12.27	12.32	12.46
Romania	6.16	8.[illegible]	10.16	10.85	11.25

Country	1989	1990	1991	1992	1993
Spain	9.10	9.85	10.01	10.05	10.10
Sweden	7.20	6.98	6.57	7.25	7.72
Switzerland	8.03	7.97	7.97	8.03	7.98
U S S R	9.45	9.32	—	—	—
Russian Fed.	—	8.84	8.98	9.53	9.26
Ukraine	—	9.03	9.53	10.21	10.85
Ukraineian SSR	8.50	—	—	—	—
U.K.	8.53	8.39	8.80	7.49	7.85
U.S.A.	5.70	9.93	7.93	8.40	8.66
Uzbekistan	—	10.40	9.43	10.09	9.72
Yugoslavia	9.89	—	10.25	—	—
India@	23.28	22.89	22.83	21.80	21.41

Note/Source:

1. From Annual Bulletin of Electric Energy Statistics for Europe, U.N. publication
2. General Review published by Central Electricity Authority
3. NA—Data not available/Not applicable
4. @ For Financial Years

Statement III

Percentage Transmission and Distribution Losses in Developing Countries

Country	1989	1990	1991	1992	1993	1994
Algeria	18.51	15.07	16.32	13.31	17.10	17.50
Bangladesh	30.10	35.57	38.95	39.10	33.98	33.30
Barbados	9.73	9.55	7.86	7.27	8.56	8.24
Belize	11.11	9.80	9.80	9.35	9.35	9.35
Bolivia	14.83	16.71	15.91	15.91	14.00	13.67
Brazil	13.70	13.62	14.67	14.13	14.43	15.26
Bulgaria	11.79	11.41	15.78	15.67	15.47	15.31
Chile	15.41	12.38	12.87	11.97	—	—
China	7.54	7.44	7.68	7.15	7.16	6.44
Coloumbia	24.25	23.70	22.94	20.48	22.74	23.29
Coasta Rica	11.03	14.33	11.45	11.46	11.04	8.00
Cuba	18.05	18.44	16.82	15.99	16.10	16.10
Dominican Republic	34.01	41.04	42.87	42.48	38.81	38.80
El-Salvador	18.05	19.02	16.10	16.42	13.75	13.75
Fiji	9.76	9.88	12.32	13.58	14.63	14.94
French Guyana	12.37	12.17	11.87	12.41	12.67	14.93
Guatemala	16.08	16.67	15.65	15.36	18.01	16.43
Honduras	24.83	25.48	26.53	27.56	28.25	28.14
Indonesia	21.93	22.47	20.95	17.97	17.18	16.75
Jamaica	19.35	17.90	18.71	20.66	25.17	24.28
Jordan	10.99	10.07	10.51	11.00	10.43	9.94
Kenya	15.46	15.45	15.41	15.07	15.73	15.01
Republic of Korea	5.93	5.49	5.50	5.66	5.48	5.51
Kuwait Incl. part of Neutral Zone	9.02	8.40	NA	NA	NA	NA
Malaysia	11.05	8.71	12.13	7.89	—	9.55
Myanmar	35.20	—	37.39	38.44	37.71	36.13
Nepal	28.39	28.28	28.38	24.66	24.94	25.83
Nicaragua	21.62	19.38	24.06	24.04	25.88	25.22
Pakistan	20.64	21.35	20.55	22.94	22.89	23.60
Peru	—	—	2.75	2.58	3.25	5.81
Phillipines	16.10	13.79	13.54	17.23	17.70	17.29
Sri Lanka	17.26	16.78	18.25	16.89	17.28	17.82
Thailand	10.20	10.85	11.08	10.67	8.41	9.90
Trinidad & Tobago	11.77	9.09	13.43	9.55	8.87	9.31
Tunisia	13.40	12.77	12.40	11.76	11.32	11.26
Uruguay	19.12	21.64	19.96	22.37	19.80	20.44

Country	1989	1990	1991	1992	1993	1994
Venezuela	17.80	21.73	17.70	17.10	NA	NA
Zimbabwe	6.76	9.74	12.81	9.87	14.57	15.49
India @	23.28	22.89	22.83	21.80	21.41	21.13

Note/Source:
1. Energy Balances and Electricity Profiles—UN publication
2. General review published by CEAS
3. N.A.—Data Not Available/Not Applicable
4. @ For Financial Years

Bids for supply of LNG to NTPC projects

2525. SHRI RAMDAS AGARWAL: Will the Minister of POWER be pleased to state:

(a) whether National Thermal Power Corporation (NTPC) has decided to invite bids for supply of five million tones of Liquefied Natural Gas (LNG) annually for its gas-based projects, as reported in the Hindustan Times dated the 8th November, 2001;

(b) if so, the details thereof;

(c) the reasons for PSE's decision to drop the move for a Joint Venture with Petronet, LNG;

(d) whether NTPC would be discussing the Power Purchase Agreement with the beneficiary States after finalisation of its fuel supply agreement/bidding process; and

(e) if so, by when?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) and (b) NTPC is considering to source liquefied natural gas (LNG) for its expansion gas projects at Anta, Auraiya, Kawas, Gandhar and Kayamkulam through international competitive bidding (ICB) procedure.

(c) NTPC is of the opinion that in a competitive environment, ICB route is likely to entail favourable gas prices when compared to joint venture route.

(d) and (e) On account of sharp increase in international prices of LNG resulting in increased cost of power, NTPC (in October/ November, 2000) had sought reconfirmation from beneficiaries for